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(54) Title: METHOD TO MODIFY PORE CHARACTERISTICS OF POROUS CARBON AND POROUS CARBON MATERIALS PRODUCED BY THE METHOD

(57) Abstract: A method to selectively increase in high-density porous carbon materials the pore size of such pores that are too small to be accessible for certain molecules. The method applies to porous carbon materials with a density of at least 0.6 g/cm^3, with a microporosity of at least 0.45 cm^3/g as measured by benzene absorption and with pore size distribution where at least 20 % of the micropores are of size below 10A. Specific surface of the precursor carbon material is typically >800 m^2/g. The method further employs the use of such liquid oxidants for which the precursor material will function as a molecular sieve, water being a preferred such oxidant.